U. S. DEPARTMENT OF COMMERCE JOHN T. CONNOR, Secretary ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION WEATHER BUREAU

STORM DATA

SEPTEMBER 1965

Volume 7 No. 9



											,				_				SEPTEMBER 196
		XCAL.	PATH	 		OF SONS		ATED† IAGE				XCAL	РАТН	Ē		OF SONS	EST IN	ATED†	
PLACE	DATE	TIME - LOCAI STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
ALARAMA	<u> </u>	H 03	<u> </u>		¥ -	<u> </u>		<u> </u>	<u> </u>	FLORIDA (Cont'd.)	ــــــــــــــــــــــــــــــــــــــ	[F 00]					<u> </u>	1	<u> </u>
Mobile and Baldwin Counties	9~ 10				0	0	5	5	Hurricane	Southern Peninsula Keys and Gulf	wir	is were fr	om the	north	est a	t an	eetin	nrodu	nd that the etrong- 0 mph. The passage ced strong onshore
	Cont	ral Gulf :	nto S	outheas	t Lou	İsian	a. Wi	hds in	moved from gusts were 80 mph	Coast (Cont'd.)	wir sou	de and abr	ormall et and	y high Keys,	tide	and iall	wave y from	action about	all along the Fort Lauderdale upper Keys, were northerly winds
	on I were	auphin Is 4.7 feet	and a	normal	tide	at 7	5 mph obile	at Ala City a	bama Port. Tides		sut sut	thward. 1 jected to	he Ker two si	es, espe	cial: ven	y th	e midd	e and th	upper Keys, were northerly winds
	Daup	hin Islam	and	souther	por	tion	of Mot	ile Co	ldings mainly on unty. Extensive . The Mobile Bay		Flo	rida Bay s	nd the	south	rly	inds	follo	ving t	he storm center
	Caus	eway and a ate piers	a few	building	s al	ong t	ne Cau	seway shor	were flooded. s were destroyed rom trees before		wes	tern Reys	tides 8 to	were m	etly	5 to	7 fee	MSL the	with debris lines apper Keys was ex- in many areas. Tides reached
	or d	amaged. rity. Al	bout dama	20% of p	ecan to hi	crop gh wi	was b	lown i	rom trees before		ter	sive and vering high	ater :	sached nd fir	depti	s of	sever of bui	al foe ldings	in many areas. Tides reached
Theodore, Mobile		midnight	?	?	0	0	0	0	Tornado		6.1	feet WLW	along	ection	e of I	sacn Say B	ceant	COLF S	nd rising waters ering wirtually all
County		ado repor	ed to	have t	ouche	d dow	n in a	remot	e area.		Hon	estead Air	Force	Base a	and ea	ist o	of U. S	. High	the land south of vay # 1 was covered larly flooded
Cullman, Cullman	lu l	8 p.m.	3	narrow	0	0	3	14	Tornado		nor	thward to the street	withing fac:	i3 mile	s of	Flor	ida Ci Biscay	ty. O po Bay	n Miami Beach, most were under water.
County	Seve	ado dippe ral build:	ings d	amaged :	#ligh	tly.	Numer	bus ti	moved northeast.		fir	st floor	f some	build	ings :	iear :	Biscay	nia Bou	reached into the everd and Bayshore
}	upro	oted. Se s uproote	veral	acres o	cor	n dem	olishe	d and	over 300 fruit		per	ninsula so	ath of	a line	from	abo	at For	Laud	the southern rdale to Everglade ned winds in excess
South Alabama, Mainly Mobile,		night and morning			0	0	7	5	Rain		of	100 mph we	re not	ed at	lmos	all	point	s betw	een Big Pine Key and cultural losses,
Baldwin and Monroe Counties	Rain	began in	the 30	th. Th	ė gre	atest	amour	t fel:	med until the on the morning		dan	s estimate	d near	\$120 the eas	1111	on. stal	areas	or po	of Palm Heach
	very	heavy ra	in ext	ended to	c the	nort	heast	and ea	inches. The		the	high tide	s and	salt wa	ter i	lood	ing.	nere :	e, the result of were 5 known fatal-
	port	ions of T	allapo	bsa and	Lee	Count	ies.	Large	7 inches in areas of the City d automobiles were	·	and	presumed		making			tol1		the Gulf of Mexico 8 in Florids.
	trap In s	ped in floouthern M	coded	streets County	ha local	ter s	urged ding o	into :	cores of homes.	Marathon Konroe Co.	8 S\$c	5:45 am	t din c	onnect:	Oz w	0 th h	† urrice	ne Bet	Tornado sy and was observed
	crop	s was mai	nly So	ybeans,	cott	on an	d corn	•		Big Pine Key	8	ing from w 4:00 pm	rest to	east a	long	the	l	ide of	the island. Tornade
Centenary Community, Grenshaw County	Torn	9:30 pm ado moved lished 3	north	ward ac	ross	O Highw 2 ot	4 ay 10 hers.	and B	Tornado ack Rock Road. and power lines	Monroe Co.	1 -		-			-	1 .	ion vi	h hurricans Betsy
l	down			ĺ				,,,,,,	2.1.0	Ft. Walton Beach Okaloosa Co.	9	4։05 թա							Waterspout
ALASKA ARIZONA			None	repor	ted					Daytona Beach Volusia Co.	27	3:25 pm							Funnel Cloud
Tuba City		1:00 p.	63		0	0	0	0	Hail	Tampa Hillsborough Co.	28	4:08 pm							Funnel Cloud
Stanton	OVe	l one and r open de 3:00 p.	sert.	-quarte.	0	О		o o		Carrabelle Franklin Co.	29	10:40 am							Waterspout
	l i	the size	e of g	olf bal			2 10 min		Hail	Gulf Breeze Escambia Co.		9:24 pm	possi	bly tor	nadio	. uni	roofed	one r	Wind sidence and
Arkansas	1											ned power							
El Dorado area, Union County	21	Afternoon		Barrow	٥	0	8	0	Tornado	GEORGIA Atlanta Airport	18	6:56 p	?	?	0	0		0	Tornado
	Torn	ado damag	ed a b	arn at	Calio	ı , 10	miles	north	east of El Dorado.	20 Miles West		t reported	torns	do touc	hing	the	ground	No :	reports of damage
Batesville area, Independence County	21	Night	. 1	Narrow	٥	0	4	.0	Tornado	Pitzgerald	rece 24	ived. 4-5 p			a	0	h		Rain and Lightn-
	One stru	or two to: otures da	eobar: began	s moved or desta	sout coyed	heast	over	Bates	ille. Pive	Ben Hill County	A 11	ghtning st	arted	fire de	stroy	ed a	large	stora	ing e building at a
CALIFORNIA			'								publ utes	ic works c	aumpan	d nearl	y two	inci	bes of	rain :	ell in 30 min-
Central California	16 <u>-</u> 17	Strong,	gusty,	drying	0 Wind	0 from	6 the	orth (North wind lowned trees and	Most of State	28 - 30				0	0	5	3	Rain and Wind
	wind	lity lines Nows. Gra	. over	turned	barke	d pla	lnes.	ank b	ats, and broke led over thousands		Heav and	y rains ou other faci	er muc lities	h of th	e Sta iest	te ca	aused s were	lamage in the	to roads, streets coastal area
Toward a?	{	1:55 p.m.		-	0	0	0	0	Funnel cloud		and tion	companea w s. Most a	ıtn un ctivit	ies at	Clyno	o Na	val Ai	amage Stat:	on, near Bruns-
Imperial	Fun	nel cloud	report	ed sout				1.			wick	were sus	pended	 Scat 	tered	, mos	atly m	nor,	rind damage was re-
Los Angelės	Hea	2:30 p.m. y rain re orary clo	sulted	in loc f highw	0 al fi ays.	0 oodir	0 ig and	mud f		HAWAII Oahu	10	noon-			0	0	4	0	Electrical
COLORADO		See dat	a at	end of	tab	le					Twen	4:00 p.	arate	lightní	ng st	rikes	from	an ele	ctrical storm,
CONNECTICUT		No repo	t re	ceived	by	rin	ting	ie a dl	ine	•	desc	ibed as O	ne of	the mos	sev	ere e	ver e	perier	ced in Hawaii, and rural Oahu.
DELAWARE New Castle County		2:00 P &			0	2	4	0	Wind, lightning,	Honolulu, Oghu	21				0	0	0	0	Funnel aloft
		6:00 P	lent	thunder	ator	ns h	ttere	d and	rain drenched parts of		Situ	5:38 p. ated 15 mi	les N	of the	Airpa	rt St	ation.		
	Wilm terr	ington an upted and	d cou trai	nty. I lers ov	rees ertu	were	down Min	ed, p or li	wer service in- htning injury and	Kaneohe, Oahu	22	2:00 p	•		0	0	0		Waterspout
		ge and fl							-		0	5:00 p.	nn++-	and fee	ne.1	10114	obser	uad be	aircraft about
FLORIDA Southern peninsula,	7				8	1	8°	C	Burricane BETSY		6 m1	al waters les NNE of I moved in	the K	aneohe :	Marin	e Cor	ps Air	Stati	on. One funnel
Keys and Gulf Coast	to 9	ricana Bet	SA Pre	ed into	the	extr	ne am	th m	orida area early on	Honolulu, Oahu	25	6:05 p			0	0	0	} '	Waterspout
	the the	8th, move	d acro	ss the	upper f Kej	Key:	, thr	ough F then a	orida Bay and into			6:10 p.	i				<u> </u>		-
	Hex Flo	lco toward rida area	Hew (rleans. Taverr	The	10w	st pro	ssure s at	reported in the \$:00 AM on the 8th.	-	the .	ed 15 mil ea surfac p.m.	es SE	spout	Alrpo remai	rt St ned v	ation, isible	Afte as a	r withdrawing from funnel aloft until
I	The	Tavernier	Орвет	ver als	o rej	or te	L be w	as in	the eye of the - 1	•	u:30	h·m*			ł		ı	ı	ا ا

		CAL	РАТН	E		OF SONS	ESTIM DAM	ATED† IAGE				CAL	РАТН	Ħ.		OF SONS	ESTIM. DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
HAWAII (Cont'd.) Kona area, Hawaii	25	3:30 p 6:30 p.			0	0	°4	С	Rain	ILLINOIS (Cont'd Champaign County	1	4:11p- 5:26p					1		Funnel cloud
	Four	inches of	rain	within downsi	two h	ours	or les	s at I	he 3000-foot level ok and Kainaliu,		towe	r perso was car	nnel ried	and ma	ny c emp	rour	d obs	erver	utes by FAA s. Sheet metal s funnel passed
	doing	approxim to pavem	ately	\$6800 o	£ dam	age t	o cof	ee an	other crops and		dire of (ctly ov hampaig	erhea n Air	þ. Fi Þort (rst CMI)	sigh and	ted went	½ mil back	es northwest into clouds Movement was
IDAHO			None	repor	ed						tow	rd nort	h-nor	theast					novement kaş
ILLINOIS										INDIANA Lafayette, 6 miles	14	E.S.T. 7:03 p.=	3	400	0	0	. 5	5	Tornado, wind,
Savanna	4	5:15p					4	0	Funnel cloud	southwest to Jefferson		9:30 p.							hail, rain
	rema	ined al	bft b	ut was	suf	fici	ently	clo.	ppi River and e to ground to		crop	s and bui	dings	from Si	hadel.	and t	o Jeff	erson,	able damage to Indiana. By
	tree	s, util:	lty p	bles a	nd g	lass	. Ft	nnel	returned to from WBAS RFD.		over	Lafayett	and o	estern	skie	s wer	e dark	ening.	ture were passing At 7:35 p.m. hail Strong winds pre-
Monroe County	4	7:24p	11/2	100	1	0	3		Tornado		ceed	ed the ha	1 and	deroof	d a 1	house	at Sh	adelan	l, 6 miles south- ne of thunderstorn
nonroe councy	Tor	ado mov	ed th	rough	gene	rall	уор	n co	ntry but was		move	d in from	the w	st. Mo	st e	i den	ce ind	cates	that at least one
	Dro!	bably no	t in	contir	luous	cor	tact	with	ground. Major of Fults. From		Fick	le, and th	hen mo	ed in a	en ea	sterl	y dire	tion a	lmost to Jefferson stroyed buildings
		ort by W	BAS S	TL.							wrec	ked and di	ebris	as blow	n gr	eat d	stanc	s str	Many barns were nging out east-
Southern Illinois	12		İ		l°.	0	*3	1	Local flooding		dama	ged as con	pared	to hous	se da	nage ·	vas un	usual.	gh ratio of barns The tornado or
	[I11:	nois.	⊭eavi	est ra	ulin w	was o	n 11:	bh al	extreme southern		er a	rea of ab	ut 4	stayed iles wi	d abo	e gr	ound m	long l	the time. A large ad severe damage
	Amo	n late	e gen	erally	3"	to 6	ed a	24-h	s on 12th.		comp	anying hea	vy ra	ns and	hail	beat	many	ields	ward. The ac- of corn and soy-
Central Illinois	14- 15	aftn & night			0	0	•6	С	Wind, hail, rain, lightning		home	s had majo	r dam	ge and	25 h	ad mi	or da	age.	rted that fifteen There were 71 farπ Much livestock
	Two	scuall	lines	with	seve	ere t	hund	rsto	ms, hail, heavy			lost but t							injuries were
	rai	, and a	few	tornac	pes	(see	bel	dw) m	oved eastward	Camden, 2 miles west,	14	Evening	,	,	0	0	3	3	Tornado
	The fre	afterno uent, f	on st	orms v	vere neter	most	des base	truct ball	ive. Hail was size. High wind	Carroll County		e, barn,			1	nes d			
	dam by	iced bui tornadoé	ding s. C	s and rop-ha	crop ail d	s in iamaq	are e wa	as no s esp	ive. Hail was size. High wind directly hit ecially high in ngston, Peoria, business Admin- well, and Wood- lding damage	Hamlet, Starke County	14	Evening	?	7	0	0	5	3	Tornado
	For-	d, Iroqu dford, a	dis, nd Ta	Vermil zewell	Co.	McI	ean,	Livi Small	business Admin-		ŀ	e farms w		1				i	
									lding damage.	Marion, 4 miles northwest	14	10:00 р.	1	900	0	0	4	ŀ	Wind
	rai	n common	Ho	pesto	on me	asu	ed 3	in	one hour.		Less	winds car er loss or	ccurre	d ½ mile	e to	the w	est.		
Peoria	14	į .	5	200	0		°6		Tornado, rain	Warsaw, Kosciusko County	14	10:24 p.	1	?	0.	0	3	0	Tornado
	Tor:	ado fir of Peo	st st ria a	ruck r	near /ed e	Noru	ood (sout	Grade heast	School north- across town.		Ι΄.	property	damag	ed and	dar m	oved 3	into i	leld.	Wind
	ly	ee perso injured.	Maj	ere nos	nage	to s	choo	th	ers less serious- ree industrial with many other	Fort wayne	14 Sevi	Evening re thunde			damag		home.	ľ	wind
	bui alti cau	ldings a Hough gr	nd ut ound	:llity contac	line t wa	es da es no	mage t co	d. P ntinu	ath was evident dus. Heavy rain ed building	South Bend, 17 miles east-southeast	20	7:28 p.	?	?	0	0	0	0	Funnel clouds (2)
Gibson City	1	1	12	75		2	•5	c	Tornado, hail,	IOWA Jefferson	6	11:30					-		Tornado funnel
	Alti	ough to	rnado	had q	gone	alos	t at	time	lightning, rain	10E Denison	7 Str	12:10 a uck farr	ı nstead	100 south	h of	Vail	4		Tornado
	dam	age was tration	great of bu	est in	n Gil	oson	City ees.	due Two	to heavier con- brief touch-	Turin	9	12:30	1	100			4	4	Tornado
	dow	ns were ough ope	evide p far	nt wes	st of	f ci est~∉	y bu ast	t pat line	h was mostly of damage from	2S Castana	9	1:00	15	100			5	5	Tornado
	bui	dings we	est c	two r	niles y Sho	owed	cons	Gibs	on City. Farm the direct wind sult of broken a trailers were try-one empty wn. There were tones were disc sides and up to bout one mile mage extensive. etimated to have		Nov	red NE f	1	Casta	ana 1	to 31	of t	Ite.	m 1 6 .1
	tre	es, hail	and	heavy	rair	n. 1	hree fed.	hous	e trailers were	SW of Cresco	Two	1:30 p		rved.	1				Tornado funnel
	fre	ight car least tw	s wer	e over	turi	ned o	est	of to	wn. There were	S of Cresco	9	1:45 1	3	3400			5	5	Windstorm
	sha 3"	ed with	roug	h pro	jecti and	ions hai:	from dam	flat age a	sides and up to	Lime Springs	9	1:45	1	50	F		4	4	Tornado
,	eit Mic	er side ro-barog	of p	ath ce	ente:	r wit Sibso	n cr	op da ty, e	mage extensive. stimated to have , showed a sharp	Decorah	ò	1:50	p				4	4	Windstorm
	bee dro	almost of 0.1	dire	ctly (lowed	by a	sto a rap	rm c	enter ise o	, showed a sharp f 0.08". A few rop of 0.18"	Mason City	9	4:30			1				Lightning
1	min was	followe	er ar d by	an abi	st in	rise	ntane of	ous d 0.21"	rop of 0.18"	Brighton	14	11:30	1				4	4	Hailstorm
Iroquois County	14	6:35p	1	50	0	5	•4	c	Tornado, hail, lightning, rain	Mediapolis and Kingston	Wir	12:50 d damage	40%	of 10	ss.		5	5	Hailstorm
	One	house a	nd se	veral	buti	opile ded:	ings	were	farmsteads	Clear Lake	14 Hai	1:20 p	1/4 ;	nch di	amet	er.	3	3	Hailstorm
	alo is	ng west- believed	east to r	path ave to	just ouche	wes:	of ply b	Danfo riefl	rth. Tornado y. Other damage	Mason City	14	1:27	1		T	[4	ĺ	'Hailstorm
	to		s and	crop					ind, lightning,	10W Buffalo Center		1:30	1	1			4		Hailstorm
Central Illinois	15-	1		-	0	0	•4	c	Local flooding	Burlington	14	4:00]	ì			1	5	4	Windstorm
	16	1		, rain			1	1	1 1	4S Waterloo	14	5:05	P						Tornado funnel
	hre	what the	all e	theams	hut	lof	Hhair	· hank	this area s. Griggsville, received approx-	5N Ames	16	11:00	1/2	100	1		4	4	Tornado
	ima	tely 5"	in 1	hour	s an	d 48	hour	tota	received approxis in central										•

		CAL	PATH	Ę		OF SONS	ESTIM DAM					CAL	РАТН	Ę		. OF SONS	ESTIM DAM	ATED† AGE	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
IOWA (Cont'd.) Wayne, Lucas, Monroe & Appanoose Counties	18	3:00 p					5	5	Windstorm	KANSAS (Cont'd.) Nemaha County	13	4:00 p.	?	? by 14 <i>a</i> b	0	1	0 abeth	٥	Lightning
Davenport	18	3:15 p	}	'		1	4		Windstorm	Brown County	13	Late	7	?	0	0	9	7	Hail
Forest City	19	7:30 a				1			Lightning		Unst 7	afternoon						,	
Osceo1a	20	6:30 p	10	9000			5	5	Windstorm			covered t							rton at 5:45 p.
Osceola	20	6:30 p	2	150			5	5	Tornado	Atchison County	13	About 6:20 p.	?	?	0	0	L	0	Tornado
Albia	20	6:45 p				1	4	4	Windstorm		A to	rnado skip	ned th	rough A	tchi	on.	ausin	cons	iderable damage.
Sigourney	30	7:15 [1	100		4	5	4	Tornado	Atchison County	13	Evening	?	?	0	0	5	١	Hail, wind
7NW Iowa City Davis County	20	8:00 p	8	150			5	5	Windstorm Tornado		Extr	emely stro	ng wir	ds caus	ed wi	desp	ead d	image :	n Atchison and
		ed NE fr	om ne		t G	ove			rakesville.		vici	nity. Hai dings and	1 stor	es up t	b 1-:	3/4" :	n dia	eter (amaged gardens,
Ringgold County		8:15 p htning 1	osses	about	\$4,	000.	5	5	Windstorm	Crawford, Wilson, and Bourbon Counties	15	Early afternoon	7	?	0	1	L,	0	Lightning
Johnson County	20-	0 000 40	ma	from h	i ahu		5	5	Heavy rain		Ligh	tning caus	ed dar	age at injure	scati d at	ered Pitt	locat:	ons i	the three
Fort Dodge	27	0,000 da р.т.	mage	I I Om 1	lignw	ary a	na bi	-	washouts. Lightning	Doniphan County	20	Near mid-		?	0	0	4	٥	Tornado
12S Spencer	28	11:45 a				•		1	Tornado funnel			afternoor	i				-	_	
Fort Dodge	28	5:00 p	1			2			Lightning		ĺ	rnado hit		ľ		-			
KANSAS		·								Summer County	20	5:18 p.	10	?	0	0	0	0	Tornado
	3	7:00 -	140	*6	0	0	3	14	Hail		lift	ado touche ed off the	grour	12 mil d 2 mil	es so	uth-	outhw f that	st of city	Wellington and
Gove Counties		9:00 p.		l		ļ !			ا غدوسه و د سورا	Sedgwick, Butler, and Marion Counties	20	6:22- 7:12 p.	45	7	0	0	4	0	Tornado
	sout	n of Monus	ent, t	hence s	outh	astw			city to 2 miles love. Hail stones	and martin country	Torn		rst. sr	htted 2	mile	8 801	th of	Mc Co	nel Air Force
Decatur and Norton	աթ Շ 3	b 2-3/h" i Evening	?	recer re	eport.	0	4	4	Hail, rain		Base	. It move	d nort	h-north	eastv	ard 1	0 5 m	les n	orth of Benton
Counties		stones up							flooding in		of E	arns. It	appare	ntly li	fted	off t	he gro	und se	uth-southwest continuously.
		lin caused		e to so					110000018	Sedgwick County	20		Short	?	0	0	0		Tornado
Smith, Jewell, Osborne, and	3	Evening	?	?	0	0	4	li.	Lightning, Hail		Torn	ado sighte	i near	Plainv	iew a	7:3	ակ թ.m.	Iti	ecame a funnel
Mitchell Counties	11gh		ed fir	e destr	oyed	a hor			tch. A Elder and	0.4-4-1- 7-43	alof	about ?:	i? pem	• north	east	of Mo	Conne	l Air	Force Base.
		tning caus	1	_			,			Sedgwick, Butler Counties	20 Two	evening	nft 00	curned	near	Rent.	n abo	t. 7+00	Punnels aloft p.m. and 2 wer
Sedgwick County	3	8:00 - 8:15 p.	1/2	100	0	27	6	0	Tornado .		repo	ted near	El Doi	ado in	the e	arly	eveni	8.	, , , , , , , , , , , , , , , , , , ,
	A to	rnado touc	ned do	wn brie	fly a	t se	eral	points Storm	in the south- coved northeast	Franklin County	20	about 9:45 p.	?	?	0.	0.	5	0.	Tornado
	and '	the tornac	o stru	ick agai	in in	the i	orthe	stern	part of Wichita,		A to	rnado skip	ped th	rough w	1	ſ	on a r	ļ	sterly path.
Southeastern, East-		Night of	7	?	1	7	6)	Lightning, hail	Montgomery County	20	Night of 20-21			0	0	14	٥	Lightning
central Kansas		3-4			in Co) 	Coffe	And	wind, rain erson, Franklin,		A 15	ghtning-ca	used i	ire des	troy	dai	nome n	rthea	st of Havana.
	John	son. Wilso	n. Mia	ini and	Wood	on C	untie	. 0	ne man in Douglas	South-central, East- central, Central, and	20-	Late a.m.	?	?	0	13	•6	С	Wind, rain, lightning
	up t	2-1/2" 1 erty in th	n diam	eter ca	used W	an e	timat	d \$1,	lightning. Hail 300,000 damage to ed in the	Northeast Kansas		early on 21st							
	dama	ge in ElDo	rado,	north c	f We:	lsvi	lle, a	nd ove	ed in the used flash flooding portions of		An s	res of sev	ere st	orms, w	hich	Mele	first	obser	ved in south-
	Doug	\ \	ami. Co	unties.	A. :	lash	flood	cause	one death.		8727 6	ad damage.	Deme	ge from	str	DE A	Inda w	ts est	, causing wide- mated to be
Neosho County	J	12:25 a.		ļ	. ما				Funnel aloft		vici	nity of St	anley.	Heavy	rati	ns car	dsed c	onside	000 in the able flash floo over northeaste
Harper County	runn 5	el cloud c 6:15 p.	,	a soutr	0	hanu 0	0	0	Tornado										ember 20-21.
	Torn	ado touche	d down	brief	y 10	mile	souti	of A	thony.	McPherson, Reno Counties	22	afternoon							Funnels aloft
Harper County	5	8:34 - 8:43 p.		İ					Funnel aloft	Councies	10 m	iles east	of McI	herson	duri	e the	peri	d 2:0	southeast to
	Punn	al aloft s	ighted	northe	ast o	f At	ica.				Thre	e or a fun	inels i	ere sig	nted	in t	e Hut	¢hinso:	-McPherson area est of Haven
Doniphan County	l	Night of	?	?	0	0	5	14	Rain		abou	t 3:30 p.m	•				ĺ	ļ	
•		7-8								Linn County	27	Evening	3	3	0	2	3	0	Wind
	cons	derable i	nundat	ion of	crop	land	and f	lash f	lities, caused looding. The	KENTUCKY	Two	persons we	re in	ured in	a w	nast	rm ne	r Par	er.
	dama	ge was est	imated	at \$29	5pari ,000	s to	the N	to ro	line. Crop	Blue Grass	11	5 p.					4°	c	Hail, wind, rai
Sent and Mr		approximat		v,000.			,	,	he ma light-i-	2200 01000	In	he southe	astern	Blue G	.888	toba	cco st	ill ir	the fields
Gentral, North- eastern Kansas	9-10	Afternoor	"	7	1	°	4	°	Wind, lightning, funnel aloft		and den	other cro	s wer mobi	e damag Le home	ed in	Madi	son co roofs	unty; were	hailstones damaged by
		night of 9-10									win	. In nea	rby Mo	ntgomer	cou	nty,	wind :	as res	ponsible for
									Clay, and awatha at		•								
	5:30	p. Appro	ximate	ly \$16,	,000 :	light	ding d	anage	occurred in the										
		y and Nema							ı " ,	1									

			SEPTEMBER 1965
PLACE	STANDARD CROPS WIGH ES) WICH ES)	PLACE	PATE STANDARD NO. OF ESTIMATED, ORDER TY WILLED DAWAGE CHARGLES ORDER TY CHARGS CHARACTER OF STORM CHARGE CHARACTER OF STORM CHARACTER CHARACTER STORM CHARACTER CHARACTER STORM CHARACTER CHARACTER STORM CHARACTER CHA
LOUISIANA Calcasieu Parish	1 4:20 p. Punnel cloud 12 SW Lake Charles. Funnel cloud 4	MASSACHUSETTS (C. Holyoke	dat'd.) 24-25 Night 0 0 4 0 Rain Road washouts and heavy local erosion from heavy
Calcasieu Parish	5 4:25 p 4:30 p. Funnel cloud aloft reported 8 SW Lake Charles.	MICHIGAN	1 11:25 a. Hail
State	8- 58 Over 9 7 Hurricane BET:	Battle Creek	Three fourths inch size hail reported at Coldwater Lake which is 30 miles south-southeast of Battle Creek.
	By 10 a. CST, Sept. 8, Hurricane Betsy had passed the Florida land was in the Gulf of Mexico. Its forward speed accelerated a moved WNW. Louisiana offshore oil companies battened down, floring the companies bettered the companies between the companies of the companies of the companies between the companies of t	s it Lower Michigan	4 4:00p. 5 Thunderstorms with high winds, and heavy rains
	ing lequipment was sent ashore, and about 3,000 men were evacual by helicopter and beat. On Sept. 9, the hurricabe turned towar the NM. Coastal parishes which had not siready issued evacuat:	ed ds	Numerous wind felled trees damaged dwellings, buildings, and cars. Several large modern farm barms and contents were damaged by high winds. Small boats and docks on
	orders did so, and over 90 per cent of the SE coastal area eva- ated. Damaging winds and heavy rains preceded the center, whi- crossed the coast about 10 p. just southwest of Grand Isle, who	ru- ih	inland lakes damaged due to the high winds. Power service was disrupted to hundreds of dwellings and homes due to the storms. Heavy fains caused flood damage to
	the lowest barometer reading was 28.00 in., and a tide of 8.8 mm.s., l. occurred. Most of the Louisiana constal area to the E. Grand Isle experienced tides of 10 to 12 ft., reaching up to 13	ft.	streets, roads, buildings, homes and contents.
	locally in some areas. Betsy moved NW, with the center passing over Houma between midnight and 1 a., Sept. 10. The lowest pro	8-	Funnel aloft reported 7 miles south of Grand Haven. 4 8:34 p. Funnel aloft
	sure reading at House was 28.00 in., and surface winds gusted to over 130 m.p.h. Near 4 a., Betsy passed 20 mi. W of Baton Rou where gusts up to 92 m.p.h. were reported. As its forward spec	e,	Funnel aloft observed 3 miles north of kent City.
	decreased, the winds diminished, and at 7 a. were 75 m.p.h. in squalls. The storm then turned N and continued to weaken; by it was 50 mi. NE of Alexandria; at 2;30 p. it passed to the N	0 a. County	Tornado estimated to have first touched down 7 miles
	Montoe, then weered through eastern Arkansas. Overall damages totaled the highest in Louisians history; it was the greatest: aured property loss in the United States. The Red Cross estimates		northeastward to the vicinity of Nanica about 8 miles east of Grand Haven. A pickle factory building, a large barn and alsilo were completely destroyed by the
	over 17,500 injured or ill 679 hospitalized, and 58 dead, with of the deaths in Orleans Parish. Im all, about 160,000 famili suffered losses, nearly two-thirds of them in Orleans Parish.	1 41	tornado. A number of buildings and dwellings along the
	than 22,000 dwellings were destroyed or suffered major damage, three-fifths of them in Orleans Parish. Over 380,000 telephon were affected, about three-fifths of these were in New Orleans.	with s	and felied by the high whids. Debris from the destroyed buildings was carried aloft for 24 miles. Total damage estimated to be 25 thousand dollars.
	From the southeastern coast northward to past Baton Rouge, about 50 per cent of the area had no electricity, and in New Orleans about 90 per cent of the electric service was knocked out, and		4 8:45 p ? ? 0 0 4 Tornado
	168,000 customers were without electricity. Cities and towns to 70 miles inland were staggered by the storm. The heavy dam resulted from extreme winds, high tides, and flooding, particu	iges	Tornado towned down w mile south and 3% miles west of Rayenna where it destroyed a farm barn. Debris from the demolished barn carried w mile north. Trees in the vicinity were stripped of their leaves and upper
	in and near the New Orleans and Baton Rouge metropolitan areas. Stores, offices, homes, docks, shipping, and utility and oil or panies suffered damage varying from moderate to severe over a v	m-	branches.
	area. In many sections the wind and rain combined to do conside able damage to standing crops; the greatest crop loss was to so case, cotton, and pecans.	ler- Kent, occawa,	9 5:00a., 8:00a. Heavy rainfall up to 3 inches caused considerable flood damage to buildings and dwellings under construction.
Caddo Parish	17 4:00 p. 0 0 ? 0 Wind Wind guats to 66 m.p.h. reported at Shreveport.		streets, roads, buildings, homes and contents. Traffic was stalled on some of the streets and highways due to
Coastal	21- 22 0 0 7 0 High tide		the high water with resultant water damage to numerous cars. 9 6:00 p. 5 Thunderstorms
	Strong southerly winds produced high tides Cameron Parish: Sheriff reported tides two to three ft. above normal. Some str flooded near Cameron waterfront. Jefferson Parish, south of W.	west Central Lower Michigan	9 6:00 p. 5 Thunderstorms with heavy rains high winds, and lightning
	wegd: Water pressure from extremely high tide in Bayou Segnetic caused soft leves soil to slide on drainage canal side late Tu or early Wednesday, leaving in a 200 ft. stretch three or four	e sday	High winds destroyed large warehouse building near Mortague with the damage estimated at 75 thousand Gollage wind fulled trees caused donsiderable damage
	through which water from the Bayou flowed into the canal. Brei plugged by sandbagging, new levee built around break.	ka	to streets roads, buildings, homes and contents.
Claiborne Parish	22 Morning 0 0 0 ? ? Wind Wind damage several places near Homer to S and E; several home damaged, some trees blown down, two parns demolished.		Lightning induced First damage was disrupted in the homes and contents. Power service was disrupted in the area due to the storms.
Gulf of Mexico	24 8:25 a. Waterspout	Hart	9 7:43 p Funnel alort reported 12 miles southwest of Hart.
Southeast Division	Prior reported funnel shaped cloud 20 SE Grand Isle. 28- 29- 29- 0 0 7 0 Tropical Store DEBRIE	Southern Lower Michigan	14 4:00 p. 1 5 Thunderstorms with heavy raim high winds, and
	In the offshore area, oil workers secured rigs in advance of the storm. Some inundation around take Borgne southward to the mon	th	Numerous buildings and dwellings were damaged by the
	of the Mississippi River as tides rose generally from two to for ft. Lower portions of St. Bernard Parish evacuated to Chalmen and Violet. Highways east of New Orleans were closed for an o	:e	inland lakes were damaged by high winds Heavy rains
MAINE	tended period.		and contents. Lightning induced fire destroyed large
Coastal and eastern	1-2 P.M. and 0 0 4 0 Wind, rain Widdspread but mostly minor damage from falling		moving car was struck by Wind felled tree hear natteets Power service was disrupted to hundreds of homes due to the storms Lightning induced fires damaged several
	trees and limbs. Some utility failures resulted. Mostly minor damage to boats, lobster pots, and coastal installations. Some localty washing and		homes, buildings and contents, One and one half inch size hall reported in the Lansing area. Heavy rains caused damage to roads and streets.
Limestone	flooding rain 21 2:30 p.m. Short Narrow 0 0 3 0 Tornado	South Central and Southeastern	1
MARYLAND	Demolished one building. Path easterly.	Lower Michigan	High winds up to 70 mph caused heavy damage to buildings and dwellings. Hangar roof at Marshall airport damaged
MASSACHUSETTS State	1-2 P.M. and 0 1 4 0 Wind, rain		by high winds. Woman injured when high winds upended and capsized her moving car near Marshall. High winds damaged numerous mobile homes, small boats and docks on the inland lakes, wind felled trees damaged buildings,
	night Woman injured when felled by wind gust in North Gambridge. Trees and limbs blown down onto		homes and dars. Woman and her three children were injured when high winds capsized their trailer home near Durand
	utility wires causing outages in many communities, most numerous in eastern portion of state. Heavy rain snarled traffic. Minor wind damage to boats		House demolished by high winds near Gagetown in Tuscola County. Power service was disrupted to hundreds of homes due to the storms. Heavy rains caused damage to
See reference no	at duchor in coastal harbors.		the streets and roads.

		OCAL	PATH	¥ E		SONS		ATED†	CHARACTER			OCAL	PATH	H H		OF SONS		ATED!	CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YAROS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
MICHIGAN (Cont' Duck Lake in northeastern Calhoun County	22						4		Waterspout	MISSOURI (Cont'd Fulton, Callaway County		6:40 PM	en Ful	ton-Kin	dom	City			Funnel Aloft
Cathodi comid	l +h	e air wh	ich tì	ien de	mol1 5	3nea	upon	rail	boat high into	Bethany (1 E)		5:00 PM							Tornado
	de	molished	a cot	tage,	caus	ed r	hajor	dama	ore where it ge to 2 cottages, mage was	Harrison County	Funn	1 touched	groun	i brief	ly 1	nile	east	of Beth	any on Highway
A/Tabano otta	es	timated	at 15	thous	and d	1011	rs.				sect:	ions of a hit. Ve	neard tin ro zetati	of were	carr of a	led I	/2 mi	e nort	twisted and h of where the visted in the
MINNESCIA St. Francis (near), Anoka County		4:45-5:00	1	100	0	a	4	3	Tornado	(A) (T)	oppo	site direc	tion o	veget	ation	on t	he son	thwest	side of the ho
·	A s	mall torn d northea	do fi	st obs	rved wn a	4 mi numb	les so er of	th of imes.	village moved to-	St. Joseph, Buchanan County	20 Heav	afternoo damage t		s and b	usi ne	ess bu	ildin	s. So	me evidence of
North St. Paul, Ramsey County	30	11:30a			2	0	2	0	Lightning		funn	el activit n", but no	y, by direc	witness t evide	es wh	o hea of fui	rd "a	noise	like a freight ground. Sever
Admocy Codicy	cer	ent mixer							unded on a nearby act with the	Tina, Carroll County	1	derstorm,	with s	ky very	dar	٠.	h	-	Tornado
Most of state	ļ	hine. early am			0	0	0	8	Freeze	12.00, 002.022.000.00		evening							
NOSE OF STATE	1		i	d free:					te causing among		junc		cont1n	ued on					rth of the Tina a. Damage to
	10	million b	shels	of soy	eans	US	DA Sta	tistic	els of corn,and al Reporting Ser- corn fully mature.	Kirksville, Adair	20	00:30 AM					1		Tornado
	Ter	peratures	below	32 deg	ees r	orth	of li	he fro	m Fairmont to rees north of line	County	Funne	1 touched	brief.	y in n	orthe	ast s	ection	of Ki	rksville, Witne
	fre	m Pipesto Cambridge	te to Temp	esta t eratur	Alex s be	tandr low 2	ia to	Long P	rairie to Buffalo some areas of		line		ga."r	umbiing	nole		Damag	to no	mes, trees, pow
ISSISSIPPI	noi	thern and	centra	il dist	icts					West Central Missouri	20	6:30 - 8:00 PM					3		Tornado
Pascagoula	1	Early Horning			0	0	4	0	Flood and Lightning		Fanne	l cloud of	pserve	at 6:	30 PM	west	of Co	pcordi	a in Lafayette
	fir	station.	Sever	al home	and	auto	mobile	s floo	ghtning struck the ded due to early rain combined with		High was	ay 23 and emolished	on the	e south	ast Alma	dge Th	of Alr e sto	a. At	nage reported no 6:50 PM a barn d northeastward rand Pass and
	abn	ormal high	tide.							,	near elebt	Malta Bend	age n	orth of Saline (Blac Sount	kburr V. A	sout 7:30	PM th	rand Pass and e tornado was e evidence of
Mississippi Sound	Man	Afternoon struck by ing sailbo	light			1 cked	overbo	0 ard ne	Lightning ar Horn Island		torns (Also	do damage	5 mile dence	of stor	west	Keyt	esvill north	e, in	Chariton County I Indian Grove,
DeSoto County	7				0	0 oleta	li Iv des	0	Windstorm by falling tree	Butler, Bates	Chari 20	ton County 2:00 AM	r).				3		Tornado
	and	windstorm	•		0	0	7	7	Hurricane Betsy	County	Witne	ss heard a					inite		f damage from t
South and West 9 Mississippi	res	dents eva	cuated	the lo	v lyi	ng ar	eas of	the M	Coast over 40,000 ississippi Gulf of Mississippi		roote		table						eet. Trees up- oots and blown
:	thr	ugh Easte	rn Lou	isians	and A	rkans	as, si	e prod	uced high tides, and Western Miss-	Bethany 4-1/2 W	1	6:00 PM	•				3	}	Tornado
	lin	to local	ly 15	ft. nea	r the	Loui	siana	line.	t. near the Alabama Winds ranged from	Harrison County	Damag	e to tree	and.	farm bu:	lldin	gs.			
	of	he proper	ty dam	age was	due	to hi	gh tìc	es and	y St. Louis. Most waves associated winds and heavy	Summit, Jackson	20	evening					5	1	Formado
	rai:	n caused m rison, Han	ost of	the cr	op da kson	nage Count	in Sou ies su	th and	West sections. most of the	County	Wides area,	pread thu Power a	derst	orm dame nt Compa	ge i ny r	n the eport	metro s indi	polita cate t	n Kansas City his one of the Ldence of tornad
	tel	ige. Over phones we 5 telepho	re out	of ser	vice,	136	teleph	by pow one ci	er losses, 22,500 rcuits were out,		activ Burea	ity at 10 u meteoro	30 PM Ogist	in Lees A wil	Sum Low	nit a tree	reare in a y	ported ard no	by skilled Weat rtheast of this
Six miles west of	10	1830C				0	3	0	Tornado		nan's nouse	home was	badly of t	twisted tree.	, an	d lim steel	bs fro	n the post	ent to a 70
Walnut 45 miles northwest of Tupelo		l tornado rage appr					se and	2 cab	ins. Area of		dence	of tornad	lic act	ivity :	rt Arr	co S	teel F	lant i	wind. Some evi- n east part of ed two box cars
Magee	10 Sma	l tornado	damag	ed seve	0 ral b	0 nildi	3 ngs fr	0 onting	Tornado on U. S.		olow: squar	over. A e feet of	24-ind	h water Lown of	line f.	тow	ed off	its s	ed two box cars
Biloxi		1way 49. 0535 -								Bloomfield, Stoddard County		6:15 - 6:20 AM	1/2	300					Tornado
BIIOXI		0543C							Funnel Cloud Aloft		Touch	ed ground	brief	y in w	ster	par	t of E	loomfi	eld. Definite
Mesonor	Funi	nel Cloud	Aloft	observe	d for	8 mi	nutes	before	it disipated.	MONTANA	þath	of damage		repor		8.			
MISSOURI estus-Crystal City,	ь	7:30 PM	ь	750			<u>l</u>		Tornado	NEBRASKA South-Central Nebraska	,	8 5 0 5		1	0	0	li.	0	Dann of one set - d-
efferson County	Funn	el observe	d just	east o	r Hig	hway	61, so	uth of	Festus-Crystal		High dama	winds from ge in scat	n thun	derstor	ns re	sulte	a in	uildir	Damaging winds g
ldon, Miller County		Heavy d	amage	to farm	buil	dings	and t		Thunderstorm	Northwestern Nebraska	Count	у.			0				
		10:45 PM								}	16	snowfall	in no	rthwest		0 orner	of St	1	Heavy snow
	Build rain	ings bord fell in 7	ering 5 minu	Highway tes.	54 i	ı Eld	on flo	oded.	3.65 inches of		Septe	snowfall obinson re mber reco	d for	the St	te.	Cons	iderat	le	•
ixon, Pulaski County	-	11:00 PM					ľ)	Thunderstorm		tree loss.	breakage i	rom w	eight of	sno	w. S	ome ci	ор	
Sett. But.		ral houses	, busi	ness bu	ildin	_				NEVADA				repor					
latte-Buchanan- lay Counties	13	late afternoon evening	,			1	5	6	Thunderstorm	NEW HAMPSHIRE NEW JERSEY			- !	repor					
	A wor	an was cu	t by f nes co	lying g mpletel	lass y cov	when ered	hail t	roke a ound i	window in her n parts of northern				-10100	- opor		!	!		
	Plat stone	te County es fell, c illstones	end so overin heave	uthern g groun damace	ucha i to to	nan (12-ir ars	ounty . ch dep roofs	In I th, (n parts of northern iberty, 3"-4" attle were killed ndows. Some										
	odd-i	haped sto	ев 6-	7 inche	3 lon	g and	3 inc	hes th	ick reported mear										

																			SEPTEMBER 1965
		COCAL	PATH	ATH S)	NO. PER		ESTIM/ DAM		CHARACTER			OCAL	РАТН	ATH ()	NO. PERS		ESTIMA DAM		CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
NEW MEXICO Lincoln County	Rain	Evening to unoff	icial from fl	3 inche ash flo	0 s res	0 ulted in R	ų in \$1 uidose	5,000	Heavy rains damage to roads ondo Valley area.	NORTH DAKOTA (Co Walsh County	14	.) early morning y 2 inche	s rain	were r	ecord	ed at	. Graft	on.	Heavy rain
Las Vegas, San Miguel County	1	5:00 a.m. er mill de		d by li	0 gh tad	0 ng ca	ų used f		Lightning 20,000 damage.		barg	ne south s s were to damaged a	rn loo	se from	thei	r mod	rings	f Rive	Severe Windstorm rdale a number of ny small boats destroyed.
Zuni, McKinley County	Gust	Afternoor winds to at 4:00 p	75 mi	les per Zumi A	0 hour irpor	0 at 1 t.	0 2:09 p	C .m. au	Wind d 71 miles per	OHIO OKLAHOMA	#61G	damagec a		repor			41101	g Pas	descroyed.
Clayton, Union County	Two :	ado moving	s, fer towar	d north	. Fir	st ra	nch ab	build: out 7	Tornado ngs, damaged by miles south- southwest of Clayton.	Saddle Mountain, Kiowa County	3 A ra	About 3:30p.	stunn	ed by 1:	0 ghtn	1 ing w	0 hich s	0 truck	Electrical
NEW YORK Coastal	Mino:	field co	rop dan	age; to	tal d	amage	\$5000		Wind	Canadian and Kingfisher Counties	Was	repairing 4:10p 5:10p.	a pas 40	*5-10	0	0	4	3	Wind and hail
Over the Land	Wind West Power and head sto Isl	is gusting chester (er failure Suffolk (d, Suffoll res etc. and. Boy	es affe Countie k cause Scores injure	cted se s. Blo d disco of sma d at Wo	veral wing mfort ll bo rld's	d Lon catte thou dust and ats s	sand h from 6 minor unk or by fa	omes rass damag driv	w York City and and adverse effects. In Richmond, Nassau urf farm at River- to nearby homes, in ashore on Long aluminum canopy ts damaged by fall-	Odines	Mile Wind Mist hous	maging the ion area s per hou ows, unro- ang Airpo: e was dam	to the ron to ofed a ret los	west sine south id blew t large y debria	de o mast down sect	f Gut side a br lons ail o	hrie. of El ick ga of met ver th	Winds Reno rage. al roo ese ar	El Reno across the estimated to 80 knocked out some Three hangars at fing and a trailer eas varied from the north of tton was reported. Ply a mile of des. The wind
Hartfield(near May- ville),Chatauqua County	9	4:45 p.m.	1/4				4		Tornado		dama	ge path e	nded 4 Indows	miles t knocked	vest (of Gu	thrie	with r	pofing blown from damaged and a big
	str unr tor blo chi	uck farm oofed, ga n off. B cks away. ng from th . Storm	located rage fl eams ar Witne he west	in nor lattened nd roof esses de "and" ng from	thwes and from scrit twist	t por part barn ed "i ing s	tion of of roo and po ast mo	f sam f and rch c ving rling	stern New York Two-story barn front porch of house airs found several black cloud approa- of debris in the less than five min-	Indsay, Garvin County	Hail most Some	1y 3/4- t	1.5- to 2	inch sis 3-inch	se ca	using	only	a smal	Hail y area with hail l amount of damage. ay-Hill and Black
Albany and Rensselaer Counties	ute 10	evening		rain.			4		Electrical, wind, hail	Jackson, Greer, and Harmon Counties	5	3:00p 5:00p.			1	0	3	4	Rain, electrical, and funnel aloft
Western	Alb	es and li any. Hai	mbs in I up to from 1	suburbs o golf t	n are	as r	eport	rthwes	of adjoining Albany unroofed insurance downed power lines to southeast of East Greenbush. storm effects in Electrical,		Mari to i ind: rose was sout at i dame	ha, Blair ields and cated 4.5 over cur killed by hwest of he Blair ged sever 1 along th	and H crops inche bs and light Blair. Farmer al bus	ster with the stern with the stern with the stern ster	th he ficial in fer up to the in guar Gin, wilding of G	eavy l rai ll in o fro rriga ty wi demo ngs a reer	washin nfall appro- nt por- ting o- nds ca- lished nd roo County	g rain measur kimate ches. n a fa used e a tra fs. H	ss the areas of s causing damage ments at Elair ly one hour. Water A 16-year-old boy rm 4 miles west- stensive damage fler house, and savy rain also unofficial amounts
	to Cor Cor to	Schuyler nesus Lake nesus, Liv trees, li puben Coun	and To and 7 ringsto imbs an	cpkins (cows king Count; d roofs dattered	Count 11led y. W in l dan	by 1 inds cali	Small ghtni saused zed ar powe	boats g nes consi ea of r line	ng winds, Livingston sunk on village of derable damage	Carter, near, Reckham County	of com thr 5	.5 to 5.0 minities. ough the r	inche A fur ural a	s were nel alo rez 7 m *1	repor ft wa illes 0	ted : s sig north	n the hted i west o	Russel n this f Mang ?	l and Reed storm as it moved
NORTH CAROLINA	"									Burns Flat, near, Washita County	5 Win	9:20p.	1 to 60	miles	o per h	Our v	0 Here of	0 serve	Wind at Clinton-Sherman
Wake County	To	5 pm bacco stor	rage ba	rn stru	ck an	d bur	4 ned by	0 ligh	Electrical	Ottawa County	Air 13	Force Bas 6:00p 7:00p.	duri 15	ng a th	ounder 0	o o	4	0	Wind
Mecklenburg County	St fr da of	om northwe maged two f above gr	k a nor est tow homes. round a	rthern s vard sou Moved	theas a st	eel tops a	estroy railer way.	ed a 125 Roari	Small Tornado parently moving arport and trees to sound heard.		tre par por a d	es at Afto tially unr ch torn fr	n and coofed com a l	near Mi homes, bme, dug and gara	ami. sever outs ige al	Hear al co olown ong w	ers dar ars dar a away with ma	amage aged i at the any por	y uprooted many at Afton included y downed trees, Little League Park er lines and
Haywood County	15 F1	in fell, l 9-11 pm ash flood sements.					4	0	Rain	Southwest, West-Centra Central and Northeast Divisions of Oklahoma	21	18th - 7:00a., 21st		*80	0 ctensi	0	6 cal f	6	Rain
NORTH DAKOTA Emmons County	Stor	evening m moved f n of rain garden cr	occurr						Thunderstorm, heavy rain, hail used damage to corn		sid squ Hea cou Int	erable pro all line to wiest rain nties and ense rains e belt cer	perty that mo is last worked total	loss as yed slo ling two linto t ling fro along s	s a recovery a to to the ce com 6 to the ce	sult cros hree ntra to 9	of the s Oklah days h l and m inches ough Ja	two one dispersion of the contract of the cont	cold fronts and a pring the period. in the southwest ast counties. along an 80-mile bogg and 0 sage
Jamestown	1	11:25 pm ts to 65 m		e recor	ded.				High wind, thunder- storm		l Can	adian Cour	ities.	Greate	est re	cord	ebi amon	aht fe	inches extended athern Washita and Il in the ARS County where gage ton) recorded a
Bottineau County	١.	night and one-h	nalf in		rain	were	repor	ted.	Heavy rain Tornado, hail, rain		tot	al of 12.7	6 incl	mes, of 20th and	which I was	1 8.8	inche	95 fel:	l in 5 hours follow- inches on the 19th.
- Same sound	Seve	eral build	lings w	rere dam	aged ith s	about ome h	20 mi	les no Light	lightning orth of Valley City. ning struck a house.		tot cer way	aled near	ily 3.4 d to C vate p	million ownty an roperty.	n in c ni Sta Cro	amag ater op da	es. P cads a mage o	nopert nd bri f 17 p	ocal flash-flooding y damage of 83 per- dges, State high- ercent was mostly

	4	E	1		. OF		ATED†				ا با	Ξ			OF	ESTIM	ATED	
ĺ	OCA.	PATH	¥ C		SONS		AGE	CUIDIOT			S S	PATH	¥.		SONS	DAM	AGE	Q
PLACE	DATE TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PAT	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
		_		<u> </u>	إ					Ļ	لبسبا			لسّا	ᅳ	<u> </u>	L	
OKLAHOMA (Cont'd.	to cotton a							ing occurred or	PENNSYLVANIA (Cor Erie Area) 5:30 A.M.					4		Wind
	cattle were	also lo	ojst. Ma	ijor d	lamage	s occi	irred :	fields. Some		The	 85 mph win	isolow	ned a n	umber	of .	trees a	and uti	lity lines, broke
	Logan, Cana	dian, K	ingfishe	r, Ca	ddo,	Washi!	a, Kio	wa and Jackson. lion total, rain		seve	ral store	window	s, and	damag	ed so	ome ro	fs.	,
	49 percent	and win	l perc	ent.	(Adds	tional	deta:	ls on river and l Data, National	Wilkes-Barre - Scranton Area	18	7:00 P.M.					,		Thunderstorm
	Summary" for										İ	ck sev	eral hu	lidin	JR CE	-	ninon	fires, while strop
klahoma City, klahoma County	19 7:30a.	1.3	30	0	0	4	0	Tornado		wind:	camagec :	severa	1 house	roof	s and	dovne	etia mu	mber of trees and also blown down by
rianosa cours								northwest edge of		the s	trong win	1.	l go Len		100	ar 181	r was	aise blown down by
	touched down	n brief	Ly three	time	s cau	sing 1	light d	rooftop level and amage. First brief	Near Sharon	19	Afternoon					4		Thunderstorm
	a produce s	tall at	the Pub	lic M	arket	. Set	eral o	oof was damaged on ity policemen saw		Light	ning fire	a ba	n, whi	e hi	gh wi	nds de	med u	tility lines.
	200 N. Shar	tel w her	re debri	s and	flyi	ng gra	wel b	e Police Station at oke windows and	Mifflinburg	23			ĺ			4		Thunderstorm
	Hudson wher	e a Fire	estone s	tore	and s	everal	adjad	at NW 5th and ent buildings were		A lie	htning-in	luced	ire at	a fu	rnitu	re fac	tory r	esulted in \$30,000
	damaged. I	he store	e had it	s roo	f rai	sed a	proxim	ately six inches irders supporting		damae	e to build	ing a	nd cont	ents.				
	the roof.	Roofing	materia	4 suc	ked f	ron ti	e meta	l roof was littered indows on the 4th,	Southeastern Counties	24	•				2	3		Thunderstorms
	5th and 6th	floor	of a h	gh-r	ise a	partme	nt bu	lding.		Light	ning stru	k sev	eral bu	ildin	78 C8	nsing	воле ~	nor damage A
el City, Oklahoma ounty	19 7:45a. 7:50a.	- 0.6	25	0	0	3	0	Tornado										ther damage. A dale. Strong wind hester, two person
uncy			l.,	١.,	١.,		4 00 6		1	were the w	mulured At	en a	arge p	late	lass	store	windo	was blown out by
	and moved n	ortheas	terly at	roof	top 1	evel 1	to the	3700 block of		1				_	}			, m
	and electri	c lines	, patio	roofs	, ach	col bu	ses ar	to downed trees thatew automobiles	PUERTO RICO	23	1500	1	12	0	0	3	0	Tornado
	while board the air.	s, toys	, and ot	her d	ebris	were	observ	ed swirling through		A s wat	mall tor	nado off	which the be	prig ach	inat of B	ed as arrio	a Gua-	
trong City, near,	20 5:00p.	. ,	7	0	,	,	0	Towns de		naj dam	ibo in Mages to re and no al basebonel which	ayagu sever	ez mov	ed i ses,	hlan a g	d cau arage	sing a	
oger Mills County	5:15p.	j		ŀ]			Tornado		loc	re and no al basebo	mero	us tre	es i The	h fr	ont o	the one	
	as it moved	as obse	ast. No	dama	ge re	porte	mitte	tly about 5 miles		fun	hel which ut 8 min	rem	ained .	alof	tan	d las	ted	
ewey County	20 5:00p. 5:30p.			0	. 0	?	۰	2 Tornadoes		23	1800			2	0	4	3	Heavy Rains
	Tornado num	ber 1 w	as aight	ted or	the	groun	twic	e near Rhea and			yy rains							
	debris was	swirled	into ti	ne air	as 1	t mov	d nor	house. Dust and theasterly. Tornado	ļ		rto Rico v result:							
	about six m	iles so	uthwest	of Te	loga.	n ope	coun	try for five minutes 1/2 mile northeast		con	siderable the west	wate	er dam	age.	In	Maya	guez,	
	along a 100					_				veri	lowedita	banl	ks dri	ving	abo	ut 50		
ydro, Blaine County	20 Evenin		7	0	0	0	0	Hail		lyi	ng areas anche Vi	of Ba	lboa,	May	ague	z Bea	h.	
	Hail up to No damage r			report	ed in	City	durin	heavy rain storm.		Wat	ers were	from	four	to f	ive .	feet (leep	
arfield and Kay	20 7:15 p	1		0	0	7	7	Wind		mag	occurre -eastern	d in	the L	#jas	are	al. In	þ	
ounties	7:32p.		1						'	dro	ned cros	sing	a ris	ing :	stre	an of:	the	
								58 miles per hour Civil Defense re-		man	drowned	in Ya	bucoa	att	empt	ing to	noruei	
	ported wind	s of 70	-90 m10	s per	hour	west	of BL	ckwell around lines downed, and	RHODE ISLAND	Cro	ss a swol		1	1	n1		d	
	an airplane	was bl	own loos	e and	dama	ged a	Wood	ing Airport, Enid.			No repo	rt re	ceive	· by	pr11	ting	dead]	inė
ountain View, near, iowa County	20 7:36p.	3	200- 400	0	0	4	4	Hail .	SOUTH CAROLINA Columbia and vicinity Richland and Lexing- ton Counties	2	a.m.			0	0	3	0.	Heavy rain
	Damaging ha	il avera	eging 1.	3-inc	h siz	e with	large	st stones 1.5 x a 3 miles west of		Loca	lized heav	y rain	produc	ed ne	w ra	nfall	totals	for 2, 3 and 6- ds for Columbia
	Mountain Vi	ем. Up	to 20 p	ercer	t of	the gr	ound 1	as covered.		date	back to 1	887.	In addi	tion	to th	e usua	l floo	ding damages,
outheast Division f Oklahoma	21- 4:00a. 22 21st		*90	0	0	0	٥	Rain		usel	ess.	ти до	perebuc	ale Ca	0183	renne	eu th	usands of phones
· · · · · · · · · · · · · · · · · · ·	7:00a.		1						SOUTH DAKOTA			None	repor	ted				
	22nd	623		ne	ا ا	an=		100 101 11	TENNESSEE Gibson County	1	1:00a.	Short	Narrow	0	0	3	0	Windstorm
	varying from	m #•50 :	inches s	t Ide	bel t	0 6.80	inche	ies with amounts es at Kiamichi	_	A wi	ndstorm, w	hich m	ight ha	ve be	en a	small	tornac	o reported 15 ee houses and
	Tower. The	heavy :	rains re	n str	eams	near (apaci	ty but no flooding		chur		o car M	eren:	Louise	۳۰۵	1 2018	or ent	on mores will
OREGON		None	repor	ted			-		Memphis, Shelby	1	&.m.			٥	0	4	0	Windstorm
PACIFIC AREA	11 5:30			0		0	0	Funnel aloft	County	upro	lerstorm wo ted trees	inas d in sc	umaged attered	sect	ions	of the	city.	s, a building and
and and and		1	و المام	1	1			\ \	Montgomery County	ı	2:00a.		 	0	0	?	0	Windstorm
	within 5 min		Cloud	puser	vea S		Lation	. It dissipated		11-				0	٥	ft _o	c	Rain, wind
uam	13 5:30			0	0	04	С	Rain		12 Mode:	ate to he	avy ra	ins, to	talin	g 3 t	o 6 1r	ches,	with winds near
	9:00									10 m	h in gust	s, rep	orted a	s the	rema	ins of	Hurri	cane Betsy passed eficial in pro-
	Flash floods	trigge labout	ered by 95 NNE	eavy of Gu	rain am. 1	s from	Tropi ed hou	cal Storm <u>Virginia,</u> ses, fields and	1	vidi:	g needed	soil m	pisture	alt	hough	some	locali	zed flooding was
	highways.	In Dedec	ib Villa	ke, 1	0 mil	es SW	of And	erson AFB, a large	Nachuille na	15		?	?		0	0	0	Hail
	(exceeding t	he prev	Lous re	cord)	5.8	1 inch	es in	1 in a single hour 3 hours and 6,52	Nashville, Davidson County	Smal:	12 Noon hail fel			parts		he cit		damage reported.
PENNSYLVANIA	LICHES IN 4							[]	Rockwood, Roane	15	p.m.	,		o '	0	3	0	Lightning
Norristown Area	1 2:30 P.	1.		1]	Thunderstorm		l .	and cont	ents d	estroye	١.	ire.		_	
	One can was	electro	uted wh	en he	touc	hed a	barbed	wire fence, onto	Clarksville, Mont- gomery County	16 Wind	2:00a. damage to	outdo	or movi	0 scr	een,	power	0 lines	Thunderstorm and falling tree
	мпис и а 2400-	-vplt po the stor	wer lin	e nad	rall	en due	1 to th	e downing of a			on parke				"	[

		'AL	РАТН			OF SONS		ATED†				AL	Ŧ	Į.		OF SONS	ESTIM DAM	ATED†	· ,
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PA	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
TENNESSEE (Cont Donaldson, Davidson County	16 House	Noon in Hermi damage e	tage H	ills se	0 etion 4000.	0 stro	3 ck by	0 lightr	Lightning ding. Fire and	UTAH Morthern Utah counties and Zion Mational Park	5	Afternoon and night			1	10	5	l ₄	Lightning, hail heavy rain, and local flooding
Jonesboro, Washington County	Light	3:15p. ning is s d with ha		ed to h	O ave c	0 aused	3 fire	0 which	Lightning destroyed barn		Sev sta	ere thunde te Sunday their wake	rstor after	activ loon and	ty s eve	ept ning in D	across leavin bchesn	many deat	sections of the n and destruction tv. a 13-year-old
Spring City, Rhea County	16			by fire	, an.o	0 ther	li dama ge	0 d.	Lightning		her Cat	l was kill parents. holic Con r \$100,000	ed in: Sunda ent in dama	tantly y nigh Ogden e to th	by a light and but	bolt tnin start ldin	of li g stru ed a f g. Li	thtein ck the ire th thtnin	sections of the n and destruction ty, 213-year-old which stunned roof of a at resulted in a damage to In Cache County, pred crops while satch Kountain Lake County and National Park of the hikers
TEXAS Port Aransas San Patricio	1	11:20 a							Waterspout		pow lig hai Ben	er lines a htning cau l serious! ch farmlar	an in sed fi y dama	o the res, de ged fri	hous stro it c	ands ed b ops it s	of dol arms, along outher	lars. and st the Wa n Salt	In Cache County pred crops while satch Mountain Lake County and
Port O'Connor Calhoun Co.	1	11:30 a							Waterspout		wer		but al						National Park of the hikers hen the water
Near Corpus Christi Nueces Co.		9:25 a aterspout Station.	was ob	served	four	miles	south	-sout	Waterspout east of the Naval	Most of the state	16 thru	Ally recei	eu.		31	0	4.	6	Snow and freez
Carrouzett Lipscomb Co.	2 Hai	6:55 p- 7:05 p damaged	? roofs	? and bro	0. ke a	0 few w	? indow	? panes	Hailstorm in Darrouzett.		sta	tc on the	16th :	r.: 17tl	∦ . s	dow M	as dan	p and	y swept across theavy and did a shrubs which
Littlefield Lamb Co.	6 Thu Lit bui bus	ding was	? winds and hur torn f inside	? demolis led par rom its the bu	0 hed a ts of four	0 larg it a datio	? e meta n eigh n. Ma e brol	? th of my wi	a mile. The dows of lh school ome signs were		wer fel ere col ter	e in full lowed by a ps which b	leaf ecord ad no rowin	his ear breakir .had t seasor timates	ly ing looming to	the tem mat amage	seaso peratu are du to cr	n. The res wh e to to ops by	snowstorm was ich destroyed ne unusually the freezing
Corpus Christi Bay Nueces Co.	8 A w	8:24 a							waterspout the Naval Air	VERMONT U.S. VIRGIN IS. VIRGINIA			None	repor repor	ted				
5 NW Odessa Ector Co.	10	2:25 p							Funnel aloft	WASHINGTON WEST VIRGINIA				repor]	
Peggy Community Atascosa Co.	lon	g and one-	-half r	farm h	ie thr	pugh hes	the sp	darsel, ing ut.	Tornado d one-half miles y-settled Peggy lity poles and about eight miles ado was the t shed was demo-	Beckley and vicinity	ligh	6:40 p.m tning kno ts at Bec was repo	cked o	irport:	as vi	nds r	cable	l∣70 map	Lightning pused the runway 1. 3/4 inch
	lis	hed. Part	s of t	the buil	lding	and m	uch o: field	i its Iar	nt shed was demo- contents were se, creosoted culled straight gle was lifted set from the	Welch	for	5:15 p.m thing str about 30	uck a	power t	ransf	O LIMBI	and i	nterru 0	lightning pted service Flash flood
	imp	lement sh	lner h	ome which	ch was	s only	abou timat	t 50 f	35000	Pocahontas County Charleston	Road 24	damage f	1	underst	orms'		all e		ed at \$21,500 Windstorm and Thunderstorm
3 S Wolfforth Lubbock Co. Near Perryton	18	7:50 p- 8:45 p night	?	?	0	0	. ?	. ?	Funnel aloft Hailstorm		blo	es and po own over b layed morn	wind	np to	kno 43 m	cked ph.	down a	nd a c	amp trailer
Ochiltree Co.	bro		panes						red roofs and reek communities	WISCONSIN Southern portion of	9	Evening			0	0	5	0	Tornado Funne
8 SE Vidor Orange Co.		9:04 a arge funn es but di					ted,	and re	Funnel aloft formed several	State		A series third of trated a	of ve	tate mo	ere the pring from	ENE.	rstorm Most outhwe	s cros: seven	ed the southern activity concer orner of the Sta
5 E Dallas Dallas Co. Dryden	21	6:10 p	10	?		2	5	?	Funnel aloft Tornado, hail			Funnel of	Shop: louds on and	reporte Monroe	Rock d in Cour	Coun Walw	ty at orth, Com	7:40 Pl zauke zuniti	ported 1/2 mile demaging a barr , Milwaukee, s with wind dame
Terrell Co.	pro	6:15 p ornado da per. Dry theast of	maged : den is Sande	a comm	unity One h	of all one wa	out 5	0 pers pletel	e in the town ons, 20 miles y demolished; how-	Fox River Valley	19	3 PM	quall	line wi	O th re	0	5 loud d	0	Wind nsive wind damag
	tha Mer war blo Two	ll, and for \$3,000. Cantile Section was wan down, men recent fell ab	tore s tore s s comp and on ived m out th	jor dam e servi uffered letely e South inor in ree mil	age. ce sta roof destra ern Pa jurie es no	These ations damag oyed. acific s from the other street, and the other street, acific s from the other street, acific street,	hous were e; an Abou frei larg	damag d the t 15 u ght ca	mage; 11 had e valued at less ed; the Dryden Baroid Corporation tility poles were r overturned. ed hailstones otal tornado	Southern and Central Countles		tors. S	evere ome mi md lan	losses nor flo slide	to ca odina s and	alor seve	s and : ng Kici ere er	farmer capoo E osion t	Rain, Lightning during the month , and to contract iver. Many flas hroughout area. on lightning.
6 N Longview Upshur Co.	22 A t are Two Sur or sca ant W.	a north of 100-foot oil Comp doghouse attered for terna on the Brady is huge tr	? t a 10 f Long steel any we ," as: r mile he Cly home lies lim	100 0-yard view in derric re twis it is constitution to Tre- de Arthrocated bs fell	oswath flict: ks on ted in owner, on the on the	throwing ap the I nto a ly ter utbuil ace we Hamk	proximass med i dings re he y Roa if. A	mately Fressl of jur n the and avily d was witne	Tornado on-Seven Pines \$50,000 damage. sy lease of the A. A field office, cli industry, was a 60-foot TV damaged. The fleavily damaged ss described the sight trains."	WYOMING All of Wyoming	16, 17 A constoned stonest: loss in sour	old wave m sed consid sped much imated 5% ses in liv the season	erable of the shrink estock and t	damage transp age in Temp he heav he stat	to cortainarke ma marke ma marke ma marke marke ma marke ma marke ma ma ma ma ma ma ma ma ma ma ma ma ma	ops ion l table res the	tree: by close lives droppe 22") be	s, powersing restock, i quite and of	Severe early co and heavy snow. the 15th and r and phone line ads, caused an and a few death low for so earl snow from the t was by far the
Near Magnolia Montgomery Co.	22 A May de: de: and	11:30 a tornado to gnolia and stroyed ar rable dama d dropped	oched Pineh d the ge. I	ground urst. roof of he roof asture	on the the of tabout	e Les etal dain he ba 50 y	? er Go orse ranch in was ards a like	0 darn v louse lifte	Tornado J3 Ranch between was completely received considing one piece Two-by-four The tornado	123 -									

SEPTEMBER 1965

																			COLIMBBI 100
		CAL	PATH	Ę	NO. PER	OF SONS	ESTIM. DAM					CAL	PATH	Į.		. OF	ESTIM, DAM		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF 1 (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS ·	CHARACTER OF STORM
COLORADO	Ī	1						ĺ					4						
Alamosa County		1:00PM unnel clou	d was	ighted	MM a	O Ala	0	0	Funnel cloud										
Craig, Moffat County	1	Afternoo	1		0	0	•h	c	Wind, rain and hail										
	dow	n and hall s, power l	ines,	signs,	rees	and	crops.	na, aa	maged roofs, win-										
Otero County			ted a	unnel	0 cloud	0 touc	0 hing g	0 round	Tornado 30 miles NW of										
Southeastern Colo.	Ati	the two o	cupan	ts. At	10:0	DΡM,	high g	usty w	Wind th La Junta, injur- inds damaged farm										
	. bui:	ldings and mas vicini	equip	ment an	d dam	aged	сгорв	and tr	ees in the Las										
Montezuma and La Plata Counties	Str	5:30PM ong gusty cos and Du aged.	winds rango	in two	0 storm Powe	0 s, da r lin	lı maged es, bu	proper ilding	Wind ty in the Cortez, s and trees were										

- * Miles instead of yards.
 Includes crop damage.
 C Crop damage.
 Storm damages are placed in categories varying from 1 to 9 as follows:
 Less than \$50
 2 \$50 to \$50
 3 \$500 to \$5,000
 4 \$5,000 to \$50,000
 5 \$50,000 to \$50,000
 6 \$500,000 to \$5,000,000
 7 \$5,000,000 to \$5,000,000
 8 \$50,000,000 to \$50,000,000
 9 \$500,000,000 to \$50,000,000
 9 \$500,000,000 to \$50,000,000
 9 \$500,000,000 to \$50,000,000

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Delayed data and corrections will be carried in the June and December issues of this publication.

SUBSCRIPTION PRICE: 15 cents per copy; yearly subscriptions \$1.50 domestic, \$2.00 foreign. Checks and money orders should be made payable to the Superintendent of Documents. Remittance and correspondence regarding subscriptions should be sent to "Superintendent of Documents, Government Printing Office, Washington, D. C. 20402."

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